



SECTION 1009

AGGREGATE FOR DRAINAGE

1009.1 Scope. This specification covers material requirements for aggregate as specified for various drainage systems.

1009.2 All aggregates shall meet the quality requirements of [Sec 1002](#) and be of the material and gradation specified herein.

1009.2.1 Grade 1. The aggregate shall be sand meeting the gradation requirements of [Sec 1005.2](#).

1009.2.2 Grade 2. The aggregate shall be a washed sand-gravel mixture meeting the gradation requirements for [Sec 1007.4.2](#).

1009.2.3 Grade 3. The aggregate shall be gravel, crushed stone or other approved material meeting one of the following gradation requirements for [Sec 1005.1](#), Gradation A , B, D or E.

1009.2.4 Grade 4. The aggregate shall be a crushed limestone or dolomite meeting the following gradation requirements. Unless otherwise specified, either gradation may be used.

Gradation A	
Sieve Size	Percent by Weight (Mass)
1 1/2-inch (37.5 mm)	100
1-inch (25.0 mm)	95-100
1/2-inch (12.5 mm)	25-60
No. 4 (4.75 mm)	0-10
No. 8 (2.36 mm)	0-5

Gradation B	
Sieve Size	Percent by Weight (Mass)
1-inch (25.0 mm)	100
3/4-inch (19.0 mm)	90-100
3/8-inch (9.5 mm)	20-55
No. 4 (4.75 mm)	0-10
No. 8 (2.36 mm)	0-5

1009.2.5 Grade 5. The aggregate shall be a crushed limestone or dolomite meeting the following gradation requirements:

Sieve Size	Percent by Weight (Mass)
1 1/2-inch (37.5 mm)	100
1-inch (25.0 mm)	95-100
1/2-inch (12.5 mm)	60-80
No. 4 (4.75 mm)	40-55
No. 8 (2.36 mm)	5-25
No. 16 (1.18 mm)	0-8
No. 50 (300 μm)	0-5